May 28, 2013



Via eMail and U.S. Mail

Chief, Enforcement and Compliance Assurance Branch Water Division (WCC-15J) U.S. EPA, Region V 77 West Jackson Blvd. Chicago, Illinois 60604

U.S. Department of Justice Chief, Environmental Enforcement Section Environment and Natural Resources Division Post Office Box 7611 Washington, D.C. 20044-7611

Ohio EPA Southwest District Office Attn: DSW Enforcement Group Leader 401 East Fifth Street Dayton, Ohio 45402-2911

Chief, Environmental Enforcement Section Ohio Attorney General's Office 30 E. Broad Street, 25th Floor Columbus, Ohio 43215-3428

Executive Director ORSANCO 5735 Kellogg Avenue Cincinnati, OH 45228

RE: Re-submission of Modified Revised Original LMCPR Proposal

Dear Ladies and Gentlemen:

The Metropolitan Sewer District of Greater Cincinnati ("MSD"), on behalf of the Defendants City of Cincinnati and Hamilton County Board of Commissioners, hereby re-submits the enclosed modified proposal for a Revised Original Lower Mill Creek Partial Remedy to U.S. EPA, Ohio EPA, and ORSANCO (collectively, the "Regulators"). This modified proposal includes modifications to the Revised Attachments IA and IB submitted in the December 20, 2012 proposal, and adds a Revised Attachment IC. The Revised Attachment IB herein includes corrections of minor typographical errors.

The Defendants and Regulators have engaged in discussions regarding the impact of the Revised Original LMCPR and the LMC Study on Attachment 2 of the WWIP,



and modifications to Revised Attachment 2 as submitted in the December 20, 2012 proposal. The Parties have agreed to continue those discussions on the Defendants' Revised Attachment 2 submittal and that Defendants will submit a modified Revised Attachment 2 to the Regulators for approval under the Final WWIP. While a number of matters in the pending modified Revised Attachment 2 submittal are not yet resolved, the Parties have agreed that revisions to Lines 452 and 453 and new Notes 7, 8 and 9 in Attachment 2 as set forth in Exhibit 1 attached to this letter should be approved now. The Exhibit 1 text, including Notes, is intended to replace lines 452 through 471 of the current Attachment 2.

Defendants hereby request that the Regulators act now under the Final WWIP to approve the Revised Original LMCPR reflected in Revised Attachments 1A, 1B and 1C and the text of Exhibit 1. Defendants appreciate the Regulators' ongoing engagement regarding these very important projects under the Final WWIP.

Sincerely.

James A. Parrott

Executive Director

Ce: Board of County Commissioners, without enclosure City Manager, City of Cincinnati, without enclosure

Marilyn Wall, Sierra Club, with enclosure

REVISED ATTACHMENT 1A Phase 1 Milestone Schedule

PROJECT ID	PROJECT	PTI Submittal Milestone	Start Construction Milestone	End Construction Milestone
10130740	Werk & Westbourne	12/31/2013	12/31/2014	12/31/2017
10143960	Westwood Northern (Bundle)	6/30/2015	6/30/2016	6/30/2017
10142240	Blue Rock	12/31/2013	12/31/2014	12/31/2015
10171840	Lower Little Miami (Bundle)	12/31/2012	12/31/2013	12/31/2015
10120360	Pebble Creek WWTP			6/30/2009
10120420	Diamond Oaks		12/31/2009	12/31/2010
10120460	Towers East	12/31/2011	12/31/2012	12/31/2013
10130560	Muddy Secondary			6/30/2010
10130565	Muddy Pump Upgrade			6/30/2010
10130680	Harwinton			12/31/2010
10131220	Glenview	12/31/2013	12/31/2014	12/31/2015
10144441	1852 Columbia		12/31/2011	12/31/2012
10141440	Millbrook 1			6/30/2009
10141520	Arrowood			6/30/2009
10141540	Winton 1		2	12/31/2010
10141560	Winton 2			12/31/2010
10142020	Daly Road	12/31/2014	12/31/2015	12/31/2016
10142440	7601 Production			6/30/2009
10144880	Mill Grit		12/31/2010	6/30/2013
10144884	Mill Secondary	12/31/2009	12/31/2010	12/31/2014
10145180	Mill Diversion			12/31/2009
10145280	Mitchell RTC			11/1/2009
10145300	Badgely RTC			11/1/2009
10145320	Lick RTC			5/31/2010
10150012	Polk Phase 38			6/30/2009
10160005	Sycamore 3			12/31/2010
10160010	Sycamore 4			12/31/2010
10170081	Montgomery		12/31/2011	12/31/2012
10170560	Woodruff			6/30/2009
10170780	LM WWTP Thickening			6/30/2010
10171900	Eastern Delta (Bundle)		12/31/2013	12/31/2015
10172090	Kenwood			6/30/2009
10180600	Mill Incinerator			12/31/2010
10145580	Mill Creek WWTP (Bundle)	12/31/2014	12/31/2015	12/31/2016
10131180	Muddy Creek WWTP (Bundle)	12/31/2013	12/31/2014	12/31/2015
10143220	North Side Upper (Bundle)	12/31/2016	12/31/2017	12/31/2018
10171620	Upper Duck All (Bundle)	12/31/2015	12/31/2017	12/31/2018
10145660	Revised LMCPR (Bundle)	12/31/2016	12/31/2017	12/31/2018

[&]quot;Bundle" means the aggregated group of Final WWIP projects. The milestone date listed above for each action for each bundle is the final date by which all of the projects within a distinct bundle must meet the specified project status.

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10144940	Sauper Point	Aprica	11,230			sekkit, remains diversion form, and glugging existing dry line tondult			
101/41/840	Laborithmen Ave.	Jan dh			580 MD	Ellin, SAO SAT Wildering - 150 Prof 15"	COMP	10	
1013/0000	Plate from WWYP PR. 2 SPD	Sapoli	11.186,361			WWIT Online - Flower 2	Optimization	HOTE 1	
1013/03/81	Maple Ave.	Shipda				Agricment			
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101/41360	Garden Hills PS	Detect				Colds Management Francisco Centralizas Programment - Cost to MARTIN	COMO		
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10145140	Cata Area	3070	L		100	Hoof furnishing tares file Ave. Deerflask	ALL	ı	
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10120090	Marjament Urg Elimination 679A, 479B-6 68D	Sep-86	9 8,227.513	3 100,602	594) 473A, 473B A.	A Blev. of Sidds SPE. 0.79A, it slidt w/sewer. 54bb tr of 36 north is 2000 m of 8- 23 note.	CONTO	144	
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10141500	Respect Run FT	Novoli	5 4,352,741.	3 465,377		Phase 2 - Replace sensing PM - BOXD R of LU'TA	Ma.		
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0400/101	Julinian No. Pt.	Mar-G7	\$ 60%,970	3 253,036		Phase 2 (Dr. of P.S. w/Sewer - 654 B of 30"	COMM	ì	
10142000	W, Manufi MR Clear MC 574	May-67	5 444,030	5 340,792.	100 374	Uses, 550 374 ac/uneser - 150 ft of US	- NAMO	2.04	
10141400	Comparison Literature 75	Arth-07.	385,344	807,078	064	PERSON WASHINGTON OF 12"	COMM	T. I.	
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10110011	Publisher WWTP PS transmisser Server PLAX	Sup-67	1 172.457	2 545,480		Pulls flust WWITP Pt (Institution Senses Pt. CA.	Cullimination	ACM 1	ĺ
10141300	Basin ta	041-03	1 84,432		ChO 450.	Separation sever to aid in elimination of CSD 4342	M	2000	0.0
00122300	Westchiew Dr. / Coursey Ciel, 919	Now07	S 4,096,085	5 423,347		Partial Separation	162		
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10145-040	West list lb, Plot Clo-437	Dec 07.	A 803,724	8 be,0000	CIO:417	Retter beparaling Phase 3 Cif UE-11 - 2000 Convinceous ICO Exhibit 13	142		2.0
10130930	World Harris MA.	Jan-08	1 94,677	\$ 97,830		Parallel saction of Wolff for interespier - 100 H of 24"	ODMV		ij
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10145100	heat-Sun	Apr-08	\$ 3,614,612	4 140,374	C3O 467	And he tapped attach of emitting correlation tolerer	100		n 45770
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101,70560	Washingt Rt. op 6 Sala/Britsey Arres (PSU)	(an-oa	\$ KNO,062	177,620	PICE AND	P.S. Upgrafe 12 MGL 600 Put 6" F.M.	PANIFIE	11.2	
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10170760	AN WAITP, Assessed Studys Darbanne		3. 2,429,848	\$ 8,366,832		C SOT Activated shrides trestaining (CPF 2005-31)	WWITE	NOTE 1	
10110980	Harpetoline Latte		117/411	5 3,046,245	200 2027	Replace Helen 2000 ft of 12"	WIDO	241	
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0014100	Wasan and Managasid Ph3 Fo		\$ 107,000,	8. 1,862,778	508.054	Phase II. Here beyon to Die. Stermond Ps. 2190 fr.of tower & 4730 fr.df.	WIDO	ž	
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101310740	Werk & Westbourne Graing		1 974,409		CN0 973	Blaff - 10th MGD Community Priority (MDTE II)	THEFT		84.5
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101715400	CSO 41 Operation			10,185	130 (1)	Sugaram reprogramation 2.8 etc.			
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1001/100	Upper Duck Cook Lith? Fauthy				1,947,477		0x120, 1x40, 510, 501 & 500 (MOT)	- 680	Н	
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10175764	UNIVATE CIT Settler Upgrale		L	Ī	ľ		Ì	t	NOTES	ı
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10170790	DAMMATP Chemical Free Daggrades				541,064		F-SBI - Ungarafe Districted from Sychiatrage - D-2	WWTP BE	T TION	
111,7073A	LANCOTT standing busine			i	1.5		Dual Faut / Statemy Player Rec Pinj - 6-1.	Н	NOTE:	
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10142380	No. 36 North Park Grating					C50 538	Negative equivaments 0.23 chr		t	ı
10147340	31.7 c. Charletty Descrip					COCAN	Regulator improvements 3.0 xts		H	
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1011000	Mustdy Creek Britis Startings & Conveyance Severe			C.M.T.	14,040,434	100 697, 475-5.	GIRT & BYF, provides CIG auditor for \$15, 404, 405, and 406 - 25 ft dwarents, 9500 ft stog, 45 MSD pumps at WWITP	TURNEL		
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Revised Attachment 1C (May 2013) Revised Original LMCPR

The Revised Original Lower Mill Creek Partial Remedy will be a series of measures implemented during Phase 1 of the WWIP to significantly reduce the volume of combined sewer overflow discharges in the Lower Mill Creek basin. This Revised Attachment 1C (2013) replaces and supersedes Attachment 1C from the Final WWIP (2009) in its entirety; Attachment 1C from the Final WWIP (2009) is now null and void. The key elements of the Revised Original LMCPR are as follows:

Lick Run Strategic Sewer Separation and Valley Conveyance (CSO 5)*

- 54,300 feet of storm sewer
- 3,600 feet of relocated combined sewer
- · 8 stormwater detention basins/floodplain enhancements; approximately 22 acre feet of storage
- 4 Vortech Units
- 8,700 feet of valley conveyance system with approximately 5,600 linear feet of naturalized above-ground stormwater conveyance system
- · 9,900 feet of natural conveyance, inlet sealing and stream restoration

Estimated reduction from implementation of these measures: 0.624 BG

Kings Run Separation and Wooden Shoe Storage*

- · 8,400 feet of storm sewer
- 3,300 feet of relocated combined sewer
- · 4,600 feet of sanitary sewer
- 1.5 million gallons combined storage at CSO 217
- 4 stormwater detention basins; approximately 21 acre feet of storage
- Stream bank stabilization and restoration measures

Estimated reduction from implementation of these measures: 0,156 BG

West Fork Separation and Detention*

- 500 feet of storm sewer
- 7,600 feet of basin discharge pipe
- 2 stormwater detention basins; approximately 23 acre feet of storage.

Estimated reduction from implementation of these measures: 0.173 BG

Bloody Run Real Time Control (RTC)*

Bloody Run (CSO 181) watershed RTC
 Estimated reduction from implementation of these measures: 0.093 BG

Existing RTCs*

RTCs at CSOs 5, 482, 485, 125 and raising of the West Fork channel grates (already constructed)
 Estimated reduction from implementation of these measures: 0.737 BG

The Performance Criterion for the Revised Original LMCPR is that these measures will reduce CSO volume by at least 1.78 billion gallons during MSDGC's Typical Rainfall Year (1970), which annual gallonage reduction amount was derived using SWMM baseline Model Version 3.2. Compliance with this Performance Criterion will be evaluated by implementation of a post construction monitoring program (which will be submitted to the regulatory agencies for review and approval in accordance with the Global Consent Decree) that will utilize MSDGC's hydrologic and hydraulic model to normalize the results of the post construction monitoring to the typical year.

* Individual project statistics and descriptions listed above (for example 'length of feet of sewer,' and 'estimated reduction from implementation') are estimated values, subject to ongoing detailed design, and do not constitute performance criteria or design criteria.

Exhibit I

New Line 452	Mill Creek "Lower 11 CSO" Phase 2 CSO controls		CSOs 2, 3, 4, 5, 6, 7, 9, 666,152, 428, and 429 ("Lower 11 CSOs"),	Storage, conveyance, strategic separation, green infrastructure, using MSD's Integrated Watershed Planning approaches at the listed CSOs or in the LMC basin	See Note 7,	85% capture or control (aggregate)
New Line 453	Phase 2 Default (Lower Mill Creek Final Remedy)	\$305,658,000	CSOs 33, 10, 11, 12, 13, 14, 15, 22, 23, 24, 482, 28, 29, 30, 025A, Este, 18, 21, 017B	Default tunnel/conveyance	See Note 8	85% capture or control (aggregate) ⁹

Notes 1-6 ...

7 Defendants may propose work at additional CSOs in the LMC basin in accordance with the provisions of the WWIP.

8 The default final remedy for the Lower Mill Creek Final Remedy ("LMCFR") is a tunnel(s)/conveyance, to be designed with reference to the final LMCPR and to meet the applicable performance criteria. The performance criteria for these CSOs were expressed as "plan remaining CSO" volumes, based on modeling performed at the time of the development of the WWIP. The updated performance

Exhibit 1

criterion is expressed as 85% capture or control, acknowledging updated modeling information. Given the knowledge gained by Defendants of the Lower Mill Creek basin over the period 2009–2012, and the projects included in the Revised Original LMCPR, the Defendants propose and the Regulators understand that construction of the CSO tunnel is likely not the cost-effective alternative for the LMCFR. The WWIP envisioned that an alternative other than the LMCFR tunnel could be appropriate for the LMCFR and allows Defendants to propose a different LMCFR pursuant to the WWIP. The Defendants have expressed intent to timely submit an approvable proposal for a revised LMCFR that reflects Defendants' Integrated Watershed Planning approach for the aggregated CSO flows in the Lower Mill Creek basin. The Regulators understand this intent and if a proposal is submitted that is consistent with the provisions of the WWIP, the Regulators anticipate approving it.

9 "Percent capture or control" refers to the difference of inflow volume minus overflow volume, divided by inflow volume, multiplied by 100 [((inflow-overflow)/inflow) x 100], as predicted in a typical year using the most current model applicable to the watershed upon achievement of full operation. For the purpose of computing "percent capture or control," inflow volumes are those predicted by MSDGC's most current model (1) using MSDGC's typical year rainfall (1970); and (2) based on pre-control conditions, derived in a manner consistent with how baseline conditions were defined in MSDGC's June 2006 "Wet Weather Improvement Program; Volume II, CSO Long Term Control Plan Update Report," Section 4.7 on page 4-14. For the purpose of computing "percent capture or control" overflow volumes are those predicted by the most current MSDGC system-wide model for the typical year rainfall (1970) for post-control conditions. Compliance with these criteria will be evaluated by implementation of a Post Construction Monitoring Program (which will be submitted to the Regulatory Agencies for review and approval in accordance with the Global Consent Decree) that will utilize MSDGC's hydrologic and hydraulic model to normalize the results of the Post Construction Monitoring to the typical year.